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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/519,560	12/28/2004	Shuji Goma	914-200	2811	
23117	7590 09/19/2006	•	EXAMINER		
NIXON & VANDERHYE, PC			LE, THAO P		
901 NORTH GLEBE ROAD, 11TH FLO ARLINGTON, VA 22203		LOOR	ART UNIT	PAPER NUMBER	
	,		2818		
•			DATE MAILED: 09/19/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	
		10/519,560	GOMA ET AL.	
	Office Action Summary	Examiner	Art Unit	-
		Thao P. Le	2818	
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover sheet wit	h the correspondence address	
THE - Exte after - If the - If NC - Failt Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. It is period for reply specified above is less than thirty (30) days, a replayer of the provision		ply be timely filed (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).	
Status				
1)⊠	Responsive to communication(s) filed on 8/10	0/06.		
		is action is non-final.		
3)	Since this application is in condition for allowa		ers, prosecution as to the merits is	
	closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.	
Disposit	ion of Claims			
5) 6) 7)	Claim(s) 46-77 and 91-110 is/are pending in to 4a) Of the above claim(s) is/are withdraware Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 46-77 and 91-110 are subject to rest	awn from consideration.	rement.	
Applicat	ion Papers			
	The specification is objected to by the Examin			
10)	The drawing(s) filed on is/are: a) acc	cepted or b) Objected to b	y the Examiner.	
	Applicant may not request that any objection to the	- · ·		
11)	Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E		-	١.
		.xammer. Note the attached	Office Action of John F 10-132.	
	under 35 U.S.C. § 119			
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureasee the attached detailed Office action for a list	nts have been received. Its have been received in Apportty documents have been au (PCT Rule 17.2(a)).	oplication No received in this National Stage	
Attachmer	• •			
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)		ummary (PTO-413) /Mail Date	
3) 🔲 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 or No(s)/Mail Date		formal Patent Application (PTO-152)	

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Election/Restrictions

Claims 46, 65, 75 are amended.

Claims 91-110 are newly added.

Claims 46-77, 91-110 are pending.

The amended and newly added claims are directed to the following patentably distinct species:

- I) Claims 46-64: direct to a method of forming a thin plate comprising the steps of loading/unloading the substrate between subsidiary chamber and the main chamber, and using a vacuum to set the pressure in the chamber.
- II) Claims 65-74, 91-109: direct to a method of forming a thin plate comprising the dipping mechanism, and the dipping mechanism comprises first transport means for transporting the substrate in a direction for dipping and unloading the substrate into and from the melt, second substrate transport means enabling transportation of the substrate in a second direction different from the first direction and substrate rotation means capable of rotating the substrate by 360 degrees.
- III) Claims 75-77, 110: direct to a method of forming a thin plate by arranging a plurality of dipping mechanism with respect to a crucible wherein the plurality of dipping mechanism utilize a common crucible for dipping and are spaced apart and independent from one another so as to not necessarily move in conjunction with one another.

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Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, none claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thao P. Le whose telephone number is 571-272-1785. The examiner can normally be reached on M-F (10-8).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Thao P. Le

Primary Examiner

AU 2818

September 8, 2006.